

Title (en)  
Switch and connector assembly

Title (de)  
Schalter und Verbindungsanordnung

Title (fr)  
Ensemble connecteur pour commutateur

Publication  
**EP 1202307 A2 20020502 (EN)**

Application  
**EP 01308705 A 20011012**

Priority  
US 69640700 A 20001025

Abstract (en)  
A combination electrical connector (14) and electrical switch (12) comprises a three-sided shroud portion (32) formed upon the electrical switch housing (12) so as to ensure proper electrical connection of the electrical switch (12) and electrical connector (14) in a polarized manner. The electrical connector (14) comprises electrical contacts (54) (Fig.3) which include insulation displacement portions for electrical connection to external wiring, and blade reception portions (86) for electrical connection to blade members (30) of the electrical switch (12) wherein all electrical connections are solderless. The blade reception portions (86) of the contacts (54) comprise oppositely disposed, flexible (82,84) members which are integrally connected together and which are able to self-generate the necessary forces to engage and retain the blade members (30) of the electrical switch (12).

IPC 1-7  
**H01H 11/00**

IPC 8 full level  
**H01R 13/70** (2006.01); **H01H 9/02** (2006.01); **H01H 11/00** (2006.01); **H01R 4/24** (2006.01); **H01R 9/24** (2006.01); **H01R 33/72** (2006.01); **H01R 43/00** (2006.01); **H01H 1/58** (2006.01)

CPC (source: EP KR US)  
**H01H 11/0031** (2013.01 - EP US); **H01R 4/2454** (2013.01 - EP US); **H01R 9/2433** (2013.01 - EP US); **H01R 43/00** (2013.01 - KR); **H01H 1/585** (2013.01 - EP US); **H01H 1/5866** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**US 6312288 B1 20011106**; BR 0104501 A 20020528; CA 2357438 A1 20020425; CN 1178245 C 20041201; CN 1350316 A 20020522; EP 1202307 A2 20020502; HK 1046468 A1 20030110; JP 2002170644 A 20020614; KR 100791040 B1 20080103; KR 20020032299 A 20020503; MX PA01010756 A 20020502; TW 540186 B 20030701

DOCDB simple family (application)  
**US 69640700 A 20001025**; BR 0104501 A 20011015; CA 2357438 A 20010918; CN 01136406 A 20011015; EP 01308705 A 20011012; HK 02106606 A 20020906; JP 2001293707 A 20010926; KR 20010056450 A 20010913; MX PA01010756 A 20011023; TW 90125199 A 20011012